amdt 6

SEQUENCE LISTING

<110> Ashikari, Toshihiko
       Ochiai, Misa

<120> Method of Breeding Yeast

<130> 46221

<140> US 09/869,185

<141> 2001-06-25

<150> PCT/JP00/07491

<151> 2000-10-26

<160> 28

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<223> The FRT sequence used in the present invention contains SEQ ID NO:1

<400> 1
gaagttccta tactttctag agaataggaa cttc   34

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<211> 31

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<223> FRT2 which is one of a pair of FRT sequences (FRT2/FRT102) used in a DNA
construct of the present invention

<400> 2
gaagttccta tactttctag agaataggaa c   31

<210> 3

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> FRT102 which is one of a pair of FRT sequences (FRT2/FRT102) used in a DNA construct of the present invention

<400> 3
gttcctatac tttctagaga ataggaactt c   31

<210> 4

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> FRT2W sequence reconstructed by recombination from a pair of FRT sequences (FRT2/FRT102)

<400> 4
gttcctatac tttctagaga ataggaac   28

<210> 5

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> FRT3 which is one of a pair of FRT sequences (FRT3/FRT103) used in a DNA construct of the present invention

<400> 5
gaagttccta tactttctag agaatagga   29

<210> 6

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> FRT103 which is one of a pair of FRT sequences (FRT3/FRT103) used in a DNA
construct of the present invention

<400> 6
ttcctatact ttctagagaa taggaacttc   30

<210> 7

<211> 25

<212> DNA

<213> Artificial Sequence

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<223> FRT3W sequence reconstructed by recombination from a pair of FRT sequences
(FRT3/FRT103)

<400> 7
ttcctatact ttctagagaa tagga   25

<210> 8

<211> 27

<212> DNA

<213> Artificial Sequence

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<223> FRT4 which is one of a pair of FRT sequences (FRT4/FRT104) used in a DNA
construct of the present invention

<400> 8
gaagttccta tactttctag agaatag   27

<210> 9

<211> 27

<212> DNA

<213> Artificial Sequence

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<223> FRT104 which is one of a pair of FRT sequences (FRT4/FRT104) used in a DNA
construct of the present invention

<400> 9
ctatactttc tagagaatag gaacttc   27

<210> 10

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> FRT4W sequence reconstructed by recombination from a pair of FRT sequences (FRT4/FRT104)

<400> 10
ctatactttc tagagaatag   20

<210> 11

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide synthesized to insert the FRT1-a sequence (including wild-type FRT sequence) into a plasmid

<400> 11
tcgacgaagt tcctatactt tctagagaat aggaacttcg   40

<210> 12

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide synthesized to insert the FRT1-b sequence (including wild-type FRT sequence) into a plasmid

<400> 12
aattcgaagt tcctattctc tagaaagtat aggaacttcg   40

<210> 13

<211> 44

<212> DNA

<210> Artificial Sequence

<220>

<223> Oligonucleotide synthesized to insert the FRT101-a sequence (including wild-type FRT sequence) into a plasmid

<400> 13
agcttgaagt tcctatactt tctagagaat aggaacttcg catg   44

<210> 14

<211> 36

<212> DNA

<213> Artificial Sequence

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<223> Oligonucleotide synthesized to insert the FRT101-b sequence (including wild-type FRT sequence) into a plasmid

<400> 14
cgaagttcct attctctaga aagtatagga acttca   36

<210> 15

<211> 16

<212> DNA

<213> Artificial Sequence

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<223> Sequence of synthetic DNA used to prepare FRT2-a sequence

<400> 15
ctagagaata ggaacg   16

<210> 16

<211> 16

<212> DNA

<213> Artificial Sequence

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<223> Sequence of synthetic DNA used to prepare FRT2-b sequence

<400> 16
aattcgttcc tattct   16

<210> 17

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT102-a sequence

<400> 17
agcttgttcc tatacttt   18

<210> 18

<211> 18

<212> DNA

<213> Artificial Sequence

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<223> Sequence of synthetic DNA used to prepare FRT102-b sequence

<400> 18
ctagaaagta taggaaca   18

<210> 19

<211> 14

<212> DNA

<213> Artificial Sequence

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<223> Sequence of synthetic DNA used to prepare FRT3-a sequence

<400> 19
ctagagaata ggag   14

<210> 20

<211> 14

<212> DNA

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<213> Artificial Sequence

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<223> Sequence of synthetic DNA used to prepare FRT3-b sequence

<400> 20
aattctccta ttct   14

<210> 21

<211> 16

<212> DNA

<213> Artificial Sequence

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<223> Sequence of synthetic DNA used to prepare FRT103-a sequence

<400> 21
agctttccta tacttt   16

<210> 22

<211> 16

<212> DNA

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<223> Sequence of synthetic DNA used to prepare FRT103-b sequence

<400> 22
ctagaaagta taggaa   16

<210> 23

<211> 12

<212> DNA

<213> Artificial Sequence

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<223> Sequence of synthetic DNA used to prepare FRT4-a sequence

<400> 23
ctagagaata gg   12

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<210> 24

<211> 12

<212> DNA

<213> Artificial Sequence

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<223> Sequence of synthetic DNA used to prepare FRT4-b sequence

<400> 24
aattcctatt ct                                                    12


<210> 25

<211> 14

<212> DNA

<213> Artificial Sequence

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<223> Sequence of synthetic DNA used to prepare FRT104-a sequence

<400> 25
agcttctata cttt                                                  14


<210> 26

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA used to prepare FRT104-b sequence

<400> 26
ctagaaagta taga                                                  14

<210> 27

<211> 29

<212> DNA

<213> Artificial Sequence
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<223> Oligonucleotide (GIN-1) synthesized to prepare a plasmid containing GIN11

<400> 27
tggatccgga atttcgacgg atcaataac   29

<210> 28

<211> 35

<212> DNA

<213> Artificial Sequence

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<223> Oligonucleotide (GIN-2) synthesized to prepare a plasmid containing GIN11

<400> 28
ttctgcagac tagatgcact catatcatta tgcac   35

<210> 29

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA to prepare a combined FRT3-b / FRT103-b sequence

<400> 29
aattctccta ttctctagaa agtataggaa   30

<210> 30

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Sequence of synthetic DNA to prepare a combined FRT103-a / FRT3-a sequence

<400> 29
agctttccta tactttctag agaataggag   30